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Datasheet for ABIN7319371

Kallikrein 7 Protein (KLK7) (His tag)

Overview

Quantity:	50 µg
Target:	Kallikrein 7 (KLK7)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kallikrein 7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Kallikrein 7/KLK7 Protein (His Tag)
Sequence:	Glu23-His252
Characteristics:	Recombinant Human Kallikrein 7 is produced by our Mammalian expression system and the target gene encoding Glu23-His252 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Kallikrein 7 (KLK7)
Alternative Name:	Kallikrein 7/KLK7 (KLK7 Products)
Background:	Background: Human Kallikrein 7 is a member of the tissue kallikrein family of extracellular serine proteases that is made up of 15 members. It is predominantly expressed in the skin. A major physiological function of Kallikrein 7 is to regulate the desquamation process (the

Target Details

shedding of corneocytes from the outer layer of the epidermis) through proteolysis of the intercellular adhesive structures between corneocytes. Dysregulation of Kallikrein 7 has been linked to several inflammatory skin diseases including atopic dermatitis, psoriasis, and Netherton syndrome. Studies have shown that Kallikrein 5 is a potential physiological activator for Kallikrein 7. The proform of Kallikrein 7 can be activated by thermolysin.

Synonym: Kallikrein-7, hK7, Serine Protease 6, Stratum Corneum Chymotryptic Enzyme, hSCCE, KLK7, PRSS6, SCCE

Molecular Weight: 26.2 kDa

UniProt: [P49862](#)

Pathways: [Complement System](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM HEPES, 150 mM NaCl, pH 7.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.